

Prof. Joseph Lovering, Cambridge, Mass., born December 25, 1813 ; died January 18, 1892.

Pending nomination 1242 and new nominations 1243 and 1244 were read.

On motion, the Society

Resolved, That Dr. Charles E. Sajous be appointed a delegate to represent this Society at the Congrès des Américanistes, to be held at Huelva in October, 1892, provided that the same shall entail no expense upon this Society.

And the Society was adjourned by the President.

Stated Meeting, October 7, 1892.

Present, 16 members.

President, Mr. FRALEY, in the Chair.

Correspondence was submitted as follows :

A circular letter from Prof. Edward C. Pickering, Cambridge, Mass., in regard to a large southern telescope, and soliciting funds for same.

Accessions to the Library were reported from the Government Geologist, Adelaide, Australia ; Académie Royale des Sciences, Amsterdam ; "Flora Batava," Leiden ; Mr. G. Bauer, Agram, Hungary ; K. K. Naturhistorische Hofmuseum, Vienna ; Mr. Albin Weisbach, Freiberg, Baden ; Verein für Naturkunde, Offenbach a. M. ; Société Languedocienne de Géographie, Montpellier ; University Library, Cambridge, England ; Radcliffe Observatory, Oxford ; Natural History and Antiquarian Society, Penzance ; Royal Dublin Society ; Department of Agriculture, Ottawa, Canada ; Agricultural Experiment Station, Bangor, Me. ; Pope Manufacturing Co., Boston ; Harvard University, Cambridge ; Mr. Andrew McFarland Davis, Salem ; American Antiquarian Society, Worcester ; Dr. George Eastburn, American Meteorological Society,

Public Opinion Co, New York; Numismatic and Antiquarian Society, Mr. Henry Phillips, Jr., Philadelphia.

Letters of envoy were received from the Académie des Sciences, Amsterdam; Radcliffe Observatory, Oxford, England; Zoölogical Society, London; Royal Dublin Society; Geological and Natural History Survey, Department of Agriculture, Ottawa, Canada.

Letters of acknowledgment were received from the Royal Society of Victoria, Melbourne (136); Naturforsch. Gesellschaft, Dorpat, Russia (134); K. Danske Videnskabernes Selskab, Copenhagen (136); Académie Royale des Sciences, Amsterdam (135, 136); Académie des Sciences, Cracow, Austria (136); Prof. Peter Tunner, Leoben (137); K. K. Central Anstalt für Meteorologie (138); Dr. Aristides Brezina, Vienna (137); Naturforschende Gesellschaft des Osterlandes, Altenburg (138); K. Meteorologische Institut (137), K. Geologische Landesanstalt u. Bergakademie (138), Berlin; Oberhessische Gesellschaft für Naturkunde und Heilkunde, Giessen (137); Geographische Gesellschaft, Hannover (136); K. Sächsische Gesellschaft der Wissenschaften (136), K. Sternwarte, Profs. Otto Böttlingk, I. Victor Carus (137, 138), Leipzig; Verein für Erdkunde, Metz (136); Verein der Freunde der Naturgeschichte, Mecklenburg (137); Naturwissenschaftliche Verein, Osnabrück (137); R. Biblioteca N. C., Firenze, Italy (136); R. Società Italiana D'Igiene, Milan (136); R. Biblioteca Universitaria, Pisa (136); R. Comitato Geologico D'Italia, Rome (137); Société de Géographie, Rédaction "Cosmos," Dr. E. Hamy, Profs. Abel Hovelacque, E. Levasseur, Paris (138); University Library, Cambridge, England (138); Linnean Society, London (138); Prof. W. Boyd Dawkins, Manchester, England (137, 138); Radcliffe Observatory, Oxford (134, 135, 136, 138, and Trans., xvii, 1 and 2); Tacoma Academy of Science (138); Prof. Joseph LeConte, Berkeley, Cal. (138); Prof. Robert W. Rogers, Carlisle, Pa. (138).

The Wyoming Historical and Geological Society presented a copy of "The Wyoming Memorial Medal" in white metal.

The deaths of Joseph Ernest Renan (Paris), October 2,

1892, æt. 70, and Thomas Chase (Providence, R. I.), October 6, 1892, æt. 66, were announced.

Prof. Daniel G. Brinton presented a paper entitled "Further Notes on the Betoia Dialect from Unpublished Sources."

Prof. E. D. Cope presented a paper on "The Phylogeny of the Vertebrata."

Also a paper on "Some Points in the Kinetogenesis of the Limbs of Vertebrata."

Pending nominations Nos. 1242, 1243 and 1244 were read.

The following report was presented from the Michaux Committee, and the resolution appended was, on motion, adopted :

TO THE AMERICAN PHILOSOPHICAL SOCIETY :

The Michaux Committee respectfully reports, that at a meeting of the Committee, held on September 16, 1892, a letter was received from Dr. J. T. Rothrock, enclosing the following list of the time and subjects proposed for the Fourteenth Course of lectures given under the auspices of the American Philosophical Society :

WEDNESDAY EVENINGS.

- Nov. 9. Trees of Pennsylvania (illustrated).
 " 16. History and Fertility of Soil (illustrated).
 " 23. What is Economic Botany?
 " 30. Plant Form Applied to Decorative Art (illustrated).
 Dec. 7. Plant Structure Applied to Mechanical Art (illustrated).
 " 14. How to Plant and Grow Trees.
 " 21. How to Care for Trees.

It is expected that the lectures will be delivered in the Hall of the Academy of Natural Sciences, which has been kindly tendered to him by the Academy for that purpose.

The Committee approved of the proposition and requests the Society to make an appropriation of \$244 out of the income of the Michaux Fund to meet the expenses of the lectures.

The Committee submits the following resolution, which it desires shall be passed by the Society :

"*Resolved*, That the sum of two hundred and forty-four dollars be appropriated out of the income of the Michaux Fund towards the expenses of the Fourteenth Course of the Michaux Forestry Lectures by Dr. J. T. Rothrock."

By order of the Committee,

J. SERGEANT PRICE, *Secretary*.

The following letter was read and the Curators were requested to report to the Society upon the request it contained :

PHILADELPHIA, May 20, 1893.

FREDERICK FRALEY, Esq.,

President of the American Philosophical Society:

Dear Sir :—The Joint Special Committee appointed by the Councils of Philadelphia to secure a proper representation of historical and other exhibits from Philadelphia at the World's Columbian Exposition, to be held at Chicago, propose taking the Liberty Bell and other objects in possession of the city, and are desirous of securing additional relics. An inspection of the contents of the Hall of your Society convinced the Committee that an exhibition of the following objects in your possession would greatly add to the interest of Philadelphia's display, viz. :

1. Chair in which Thomas Jefferson wrote the Declaration of Independence.
2. Chair owned and used by Benjamin Franklin.
3. Electrical device invented by Franklin.
4. Chair of Joseph Bonaparte from his residence at Bordentown.
5. Polygraph used by Jefferson.
6. Unsigned copy of the Declaration of Independence made by Jefferson, with interlineations.

And other relics of historical and antiquarian interest.

Proper attention will be given to the care and preservation of all articles exhibited under the custodianship of the Committee.

I therefore earnestly request that your Society will take into consideration the proposition to permit the above-named articles to be exhibited at Chicago under the auspices of our Committee.

Yours truly,

ELIAS P. SMITHERS, *Chairman.*

The Secretaries were authorized to reprint four pages in Prof. Cope's paper on "The Osteology of the Lacertilia," and to distribute the same with the next number of the Proceedings.

And the Society was adjourned by the President.

OCTOBER 21, 1892, having been designated by the President of the United States and by the Governor of the State of Pennsylvania as a public holiday, no meeting of the American Philosophical Society was held on that evening.

Stated Meeting, November 4, 1892.

Present 14 members.

Vice-President, DR. RUSCHENBERGER, in the Chair.

Correspondence was submitted as follows :

An invitation from the Naturforschende Gesellschaft des Osterlandes, Altenburg, to be present at its seventy-fifth anniversary, October 8 and 9, 1892.

A circular from the University of Padua, announcing the commemoration of the four hundredth anniversary of the connection of Galilæo Galilæi with the University.

Letters of envoy were received from the Geological Survey of India, Calcutta ; K. P. Meteorologisches Institut, K. Geologische Landesanstalt und Bergakademie, Editors of "Lateinische Litteraturdenkmäler," Berlin ; Schlesische Gesellschaft für Vaterländische Cultur, Breslau ; Department of the Interior, Washington D. C. ; Direccion Général de Estadística, Mexico.

Letters of acknowledgment were received from the Geological Survey of India, Calcutta (137) ; Dr. Otto Donner, Helsingfors, Finland (136-138) ; Société Imp. Mineralogique (137) ; Russian Chemical Society (137, 138) ; Central Physical Observatory (138) ; Imperial Academy of Sciences, St. Petersburg (138, and Trans., xvi, 1 and 2) ; R. Norwegian Society of Science, Thronhjem (137, 138) ; Société R. de Géographie, Antwerp, Belgium (125-130, 136-138) ; Société Hongroise de Géographie, Budapest (137, 138) ; Academy of Science, Cracow, Austria (137) ; Naturhistorisches Landesmuseum von